

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
 Data File : VU045411.D
 Acq On : 26 Oct 2021 19:20
 Operator : SY/MD
 Sample : M4360-08
 Misc : 5.0mL/MSVOA_U/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 BP-VPB-RW9-EB-20211022

Quant Time: Oct 27 04:41:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 28 12:32:13 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

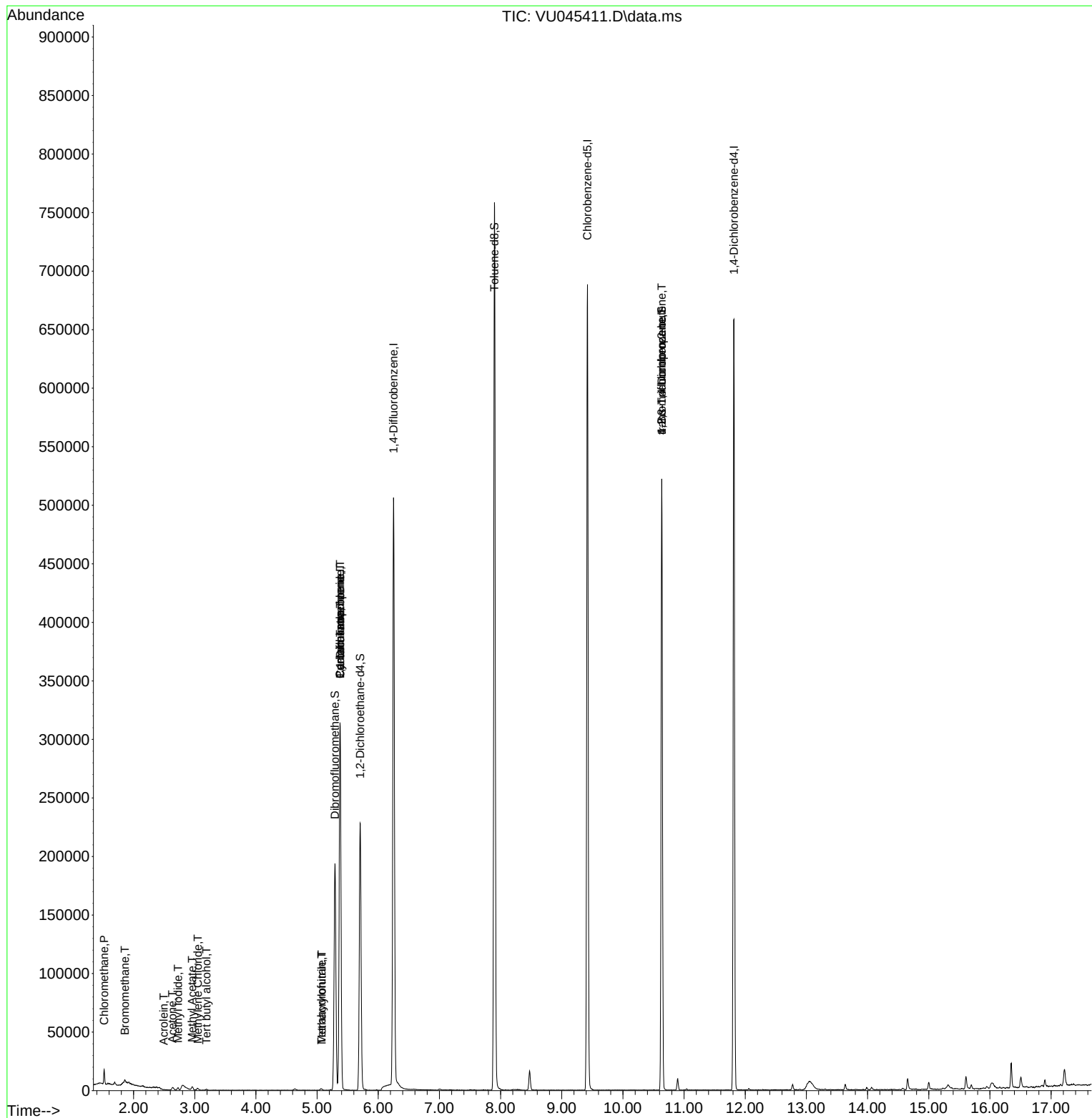
Internal Standards						
1) Pentafluorobenzene	5.375	168	206502	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.250	114	394031	50.000	ug/l	0.00
63) Chlorobenzene-d5	9.420	117	364679	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.815	152	160780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.703	65	170088	49.480	ug/l	0.00
Spiked Amount	50.000	Range 78 - 117	Recovery	=	98.960%	
35) Dibromofluoromethane	5.292	113	125019	50.296	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	=	100.600%	
50) Toluene-d8	7.899	98	494881	50.388	ug/l	0.00
Spiked Amount	50.000	Range 92 - 112	Recovery	=	100.780%	
62) 4-Bromofluorobenzene	10.635	95	176992	43.650	ug/l	0.00
Spiked Amount	50.000	Range 83 - 123	Recovery	=	87.300%	
Target Compounds						
					Qvalue	
3) Chloromethane	1.520	50	8384	2.531	ug/l	99
5) Bromomethane	1.858	94	693	0.534	ug/l	93
10) Methyl Iodide	2.726	142	2140	0.807	ug/l	93
11) Tert butyl alcohol	3.189	59	493	0.500	ug/l #	72
13) Acrolein	2.494	56	153	3.910	ug/l	88
16) Acetone	2.636	43	3249	1.592	ug/l #	87
18) Methyl Acetate	2.957	43	3014	0.505	ug/l #	90
20) Methylene Chloride	3.051	84	846	0.275	ug/l #	81
29) Tetrahydrofuran	5.073	42	917	0.531	ug/l #	78
31) Cyclohexane	5.375	56	4807	0.921	ug/l #	1
36) 1,1-Dichloropropene	5.375	75	18959	4.601	ug/l #	49
38) Carbon Tetrachloride	5.375	117	22463	6.300	ug/l #	16
41) Methacrylonitrile	5.076	41	598	0.213	ug/l #	37
49) 1,4-Dioxane	7.018	88	694	Below Cal		97
76) 1,2,3-Trichloropropane	10.635	75	92177	19.655	ug/l #	41
81) trans-1,4-Dichloro-2-b...	10.635	75	92177	54.547	ug/l #	9

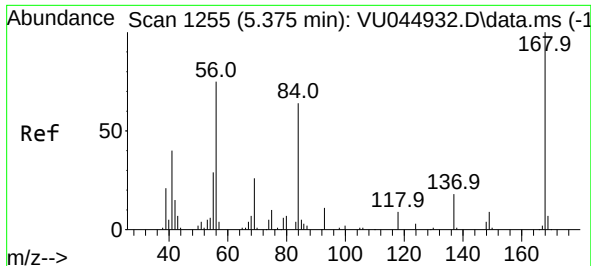
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU102621\
Data File : VU045411.D
Acq On : 26 Oct 2021 19:20
Operator : SY/MD
Sample : M4360-08
Misc : 5.0mL/MSVOA_U/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

Quant Time: Oct 27 04:41:34 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\82U092821W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 28 12:32:13 2021
Response via : Initial Calibration

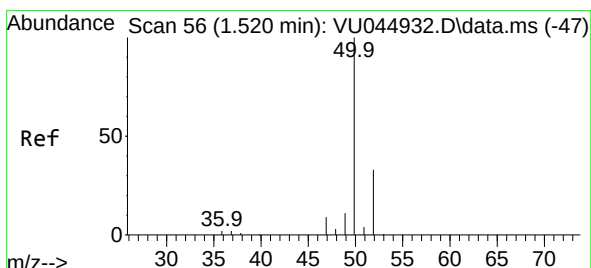
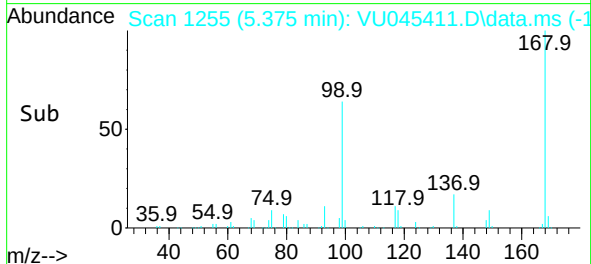
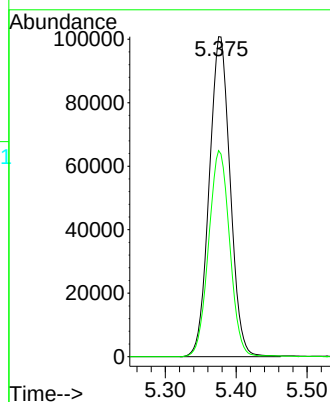
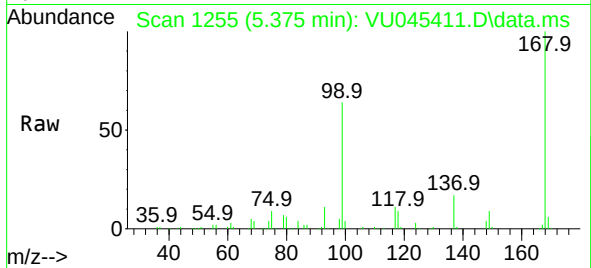




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.375 min Scan# 11
Delta R.T. 0.000 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

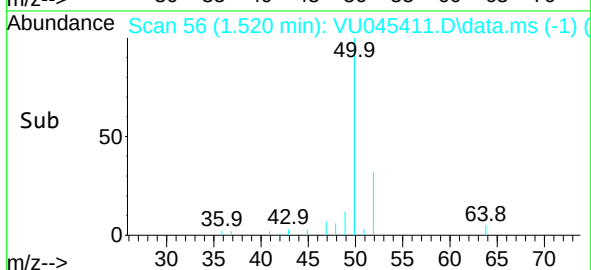
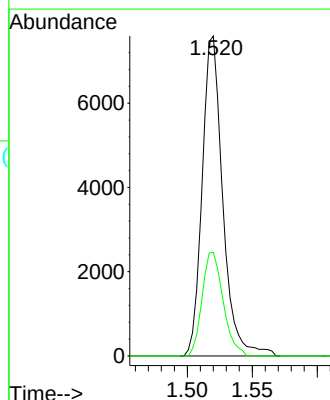
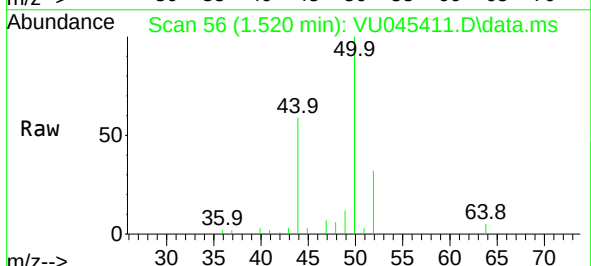
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

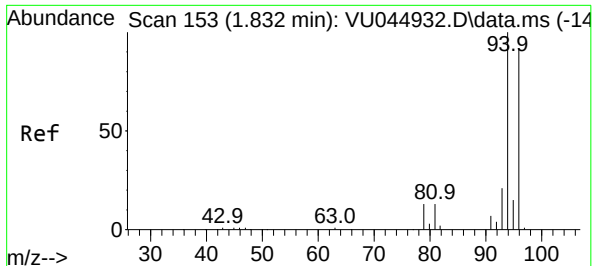
Tgt Ion:168 Resp: 206502
Ion Ratio Lower Upper
168 100
99 64.4 51.4 77.0



#3
Chloromethane
Concen: 2.531 ug/l
RT: 1.520 min Scan# 56
Delta R.T. 0.000 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 50 Resp: 8384
Ion Ratio Lower Upper
50 100
52 32.4 26.3 39.5

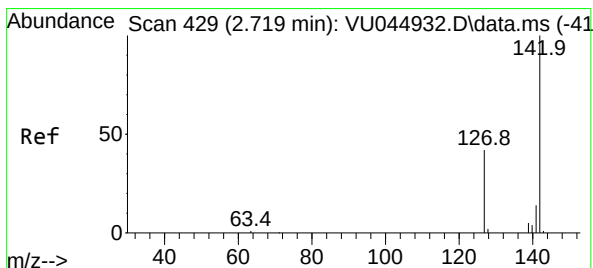
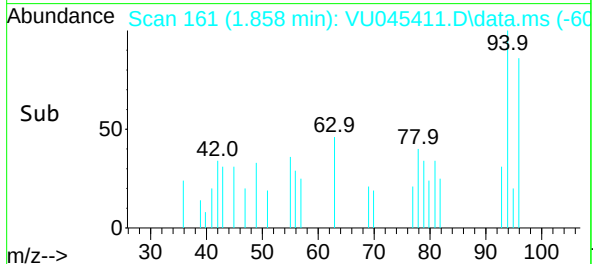
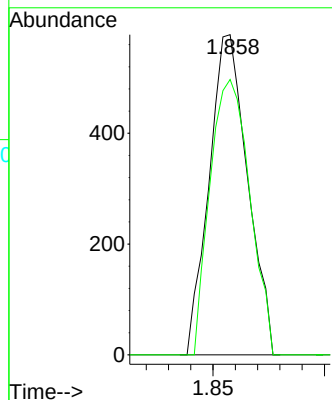
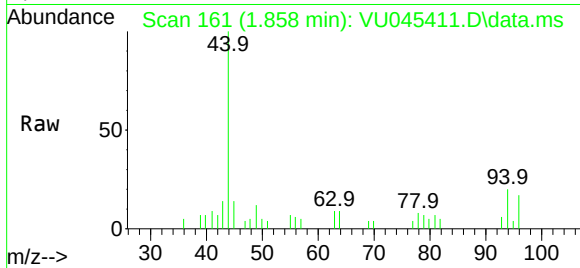




#5
Bromomethane
Concen: 0.534 ug/l
RT: 1.858 min Scan# 1
Delta R.T. 0.026 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

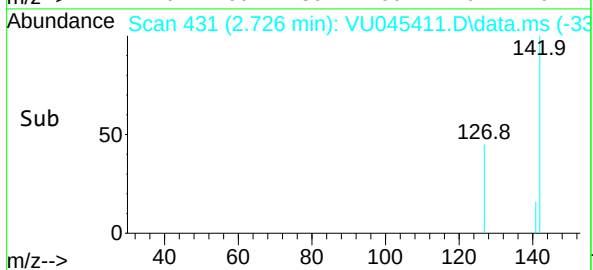
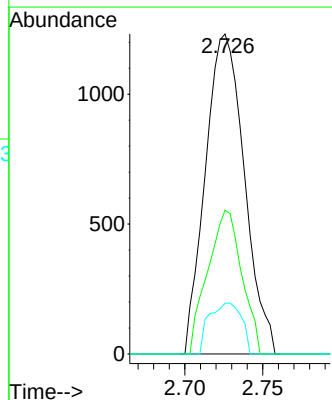
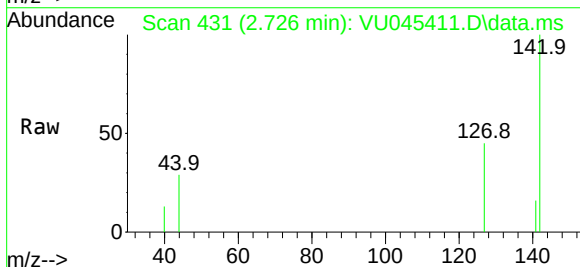
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

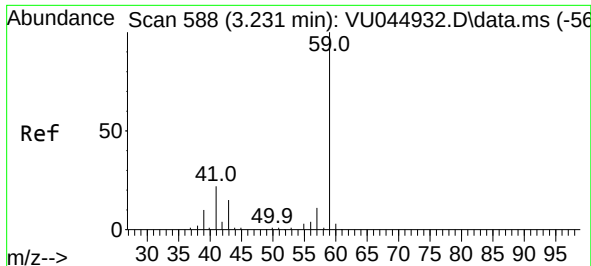
Tgt Ion: 94 Resp: 693
Ion Ratio Lower Upper
94 100
96 86.0 74.5 111.7



#10
Methyl Iodide
Concen: 0.807 ug/l
RT: 2.726 min Scan# 431
Delta R.T. 0.007 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 142 Resp: 2140
Ion Ratio Lower Upper
142 100
127 39.3 35.6 53.4
141 13.1 11.3 16.9

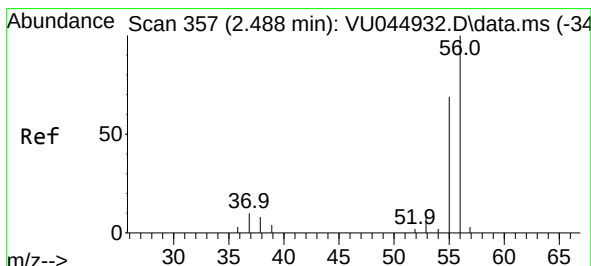
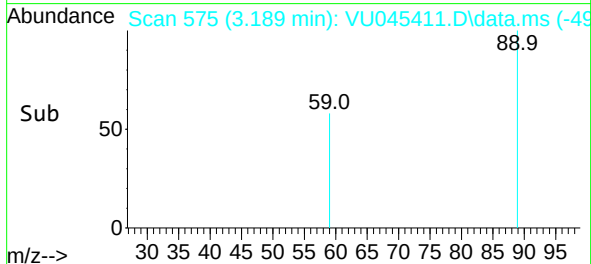
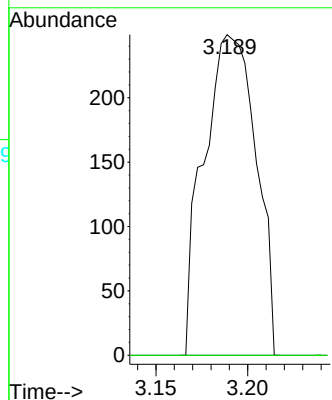
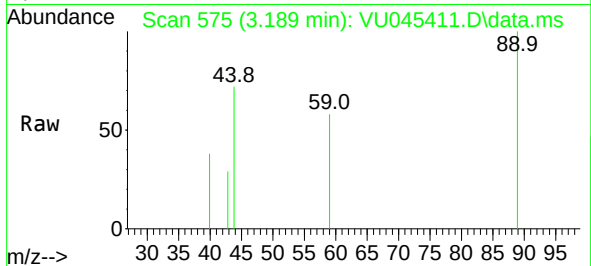




#11
Tert butyl alcohol
Concen: 0.500 ug/l
RT: 3.189 min Scan# 51
Delta R.T. -0.042 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

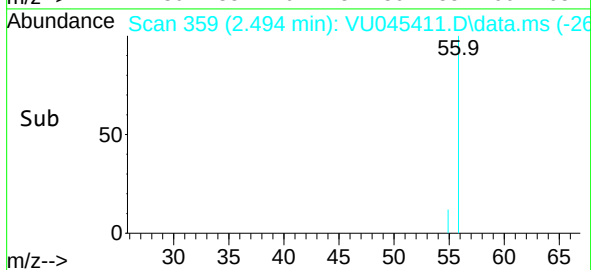
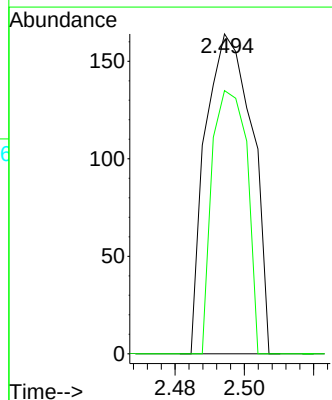
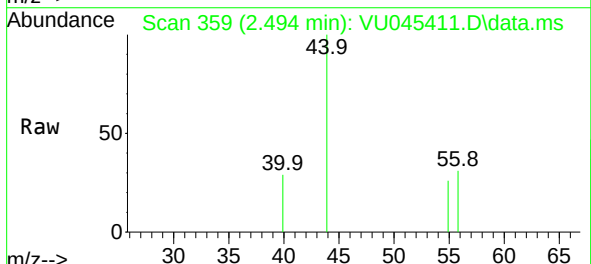
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

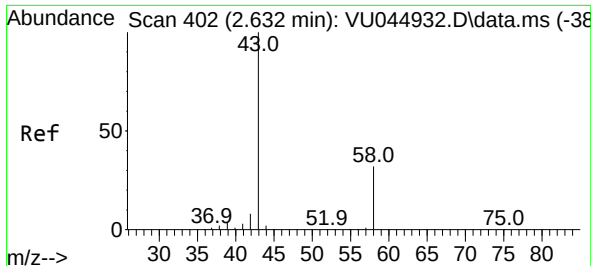
Tgt Ion: 59 Resp: 493
Ion Ratio Lower Upper
59 100
57 0.0 8.3 12.5#



#13
Acrolein
Concen: 3.910 ug/l
RT: 2.494 min Scan# 359
Delta R.T. 0.006 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 56 Resp: 153
Ion Ratio Lower Upper
56 100
55 61.4 57.4 86.0





#16

Acetone

Concen: 1.592 ug/l

RT: 2.636 min Scan# 402

Delta R.T. 0.004 min

Lab File: VU045411.D

Acq: 26 Oct 2021 19:20

Instrument :

MSVOA_U

ClientSampleId :

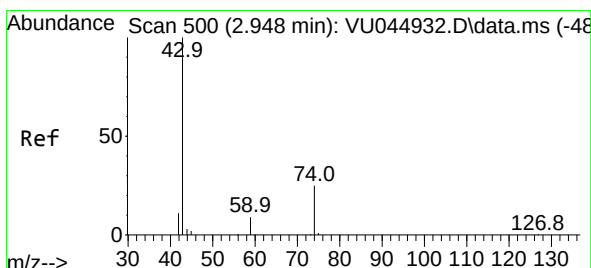
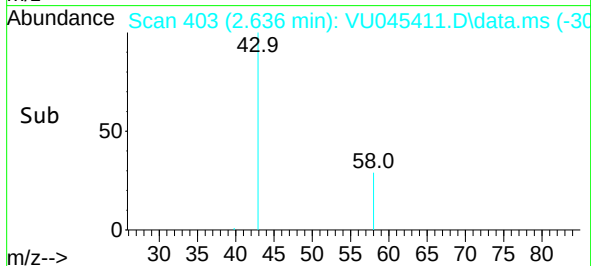
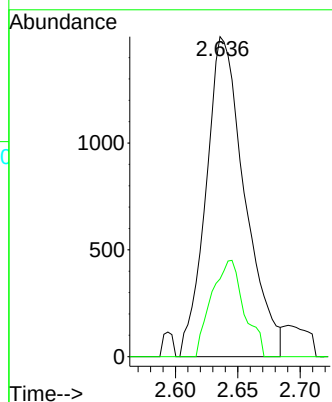
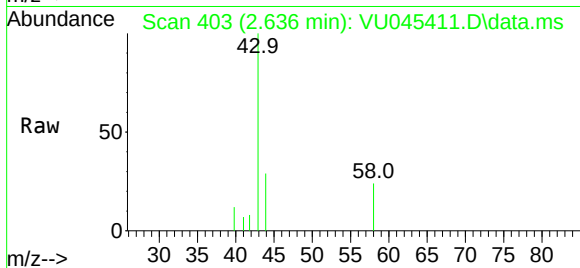
BP-VPB-RW9-EB-20211022

Tgt Ion: 43 Resp: 3249

Ion Ratio Lower Upper

43 100

58 24.3 25.2 37.8#



#18

Methyl Acetate

Concen: 0.505 ug/l

RT: 2.957 min Scan# 503

Delta R.T. 0.009 min

Lab File: VU045411.D

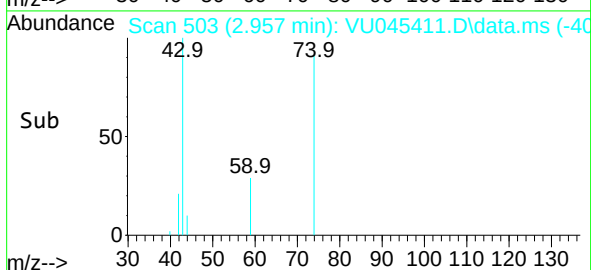
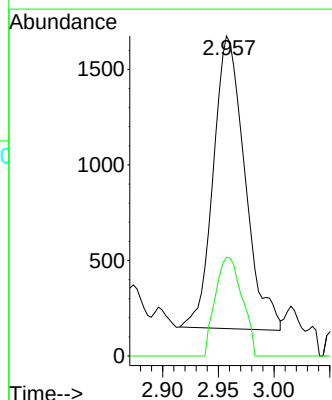
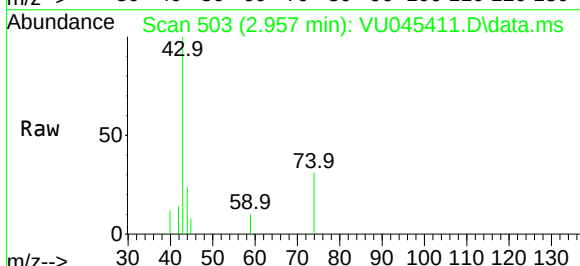
Acq: 26 Oct 2021 19:20

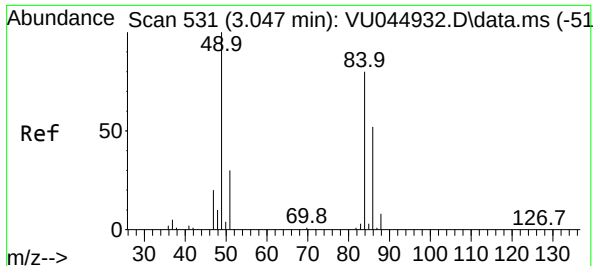
Tgt Ion: 43 Resp: 3014

Ion Ratio Lower Upper

43 100

74 28.6 19.0 28.6#





#20

Methylene Chloride

Concen: 0.275 ug/l

RT: 3.051 min Scan# 51

Delta R.T. 0.003 min

Lab File: VU045411.D

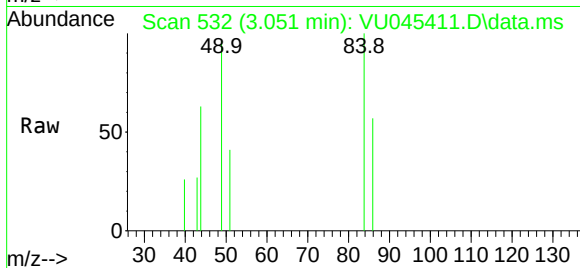
Acq: 26 Oct 2021 19:20

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-EB-20211022



Tgt Ion: 84 Resp: 846

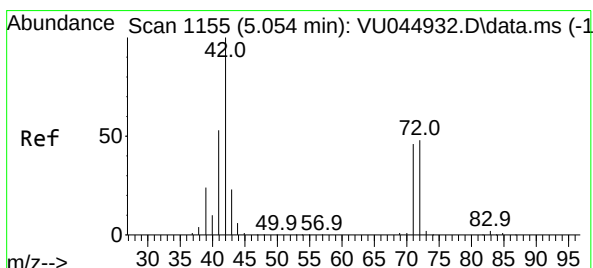
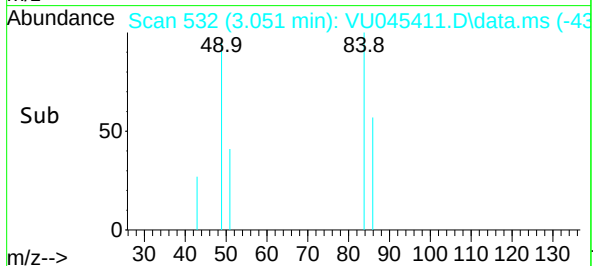
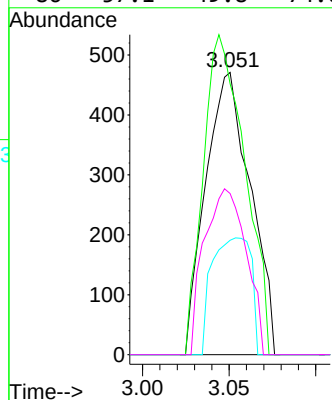
Ion Ratio Lower Upper

84 100

49 96.0 104.9 157.3#

51 40.6 31.8 47.8

86 57.1 49.8 74.6



#29

Tetrahydrofuran

Concen: 0.531 ug/l

RT: 5.073 min Scan# 1161

Delta R.T. 0.019 min

Lab File: VU045411.D

Acq: 26 Oct 2021 19:20

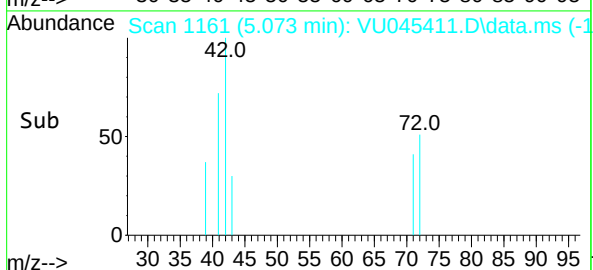
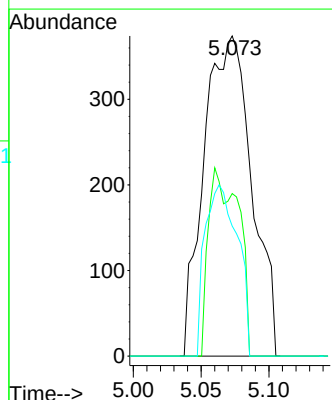
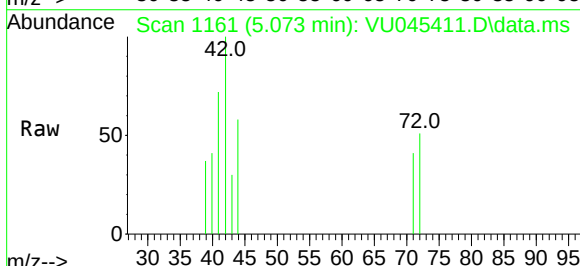
Tgt Ion: 42 Resp: 917

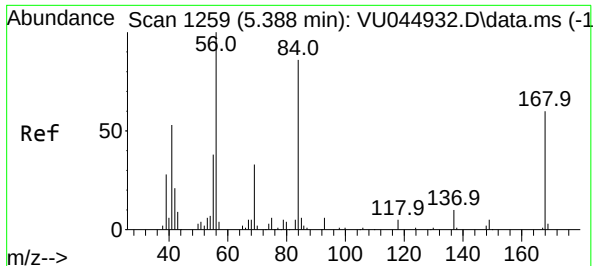
Ion Ratio Lower Upper

42 100

72 22.8 36.2 54.4#

71 36.3 34.1 51.1

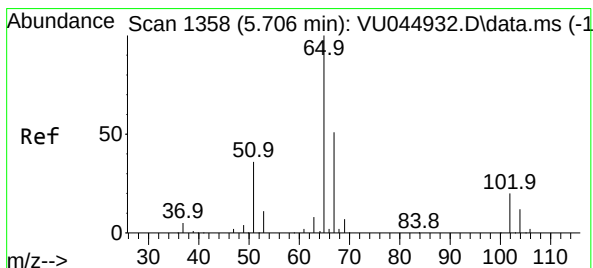
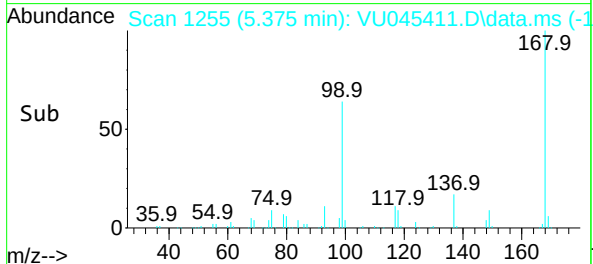
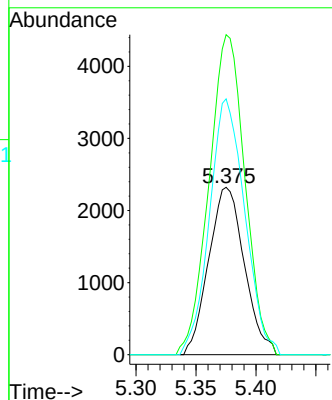
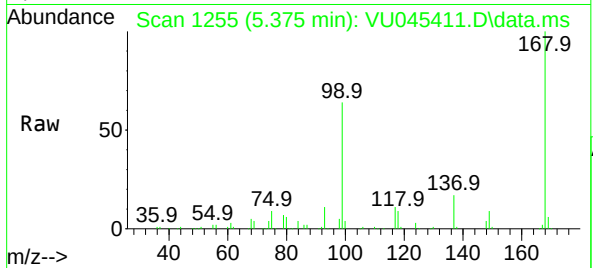




#31
Cyclohexane
Concen: 0.921 ug/l
RT: 5.375 min Scan# 11
Delta R.T. -0.013 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

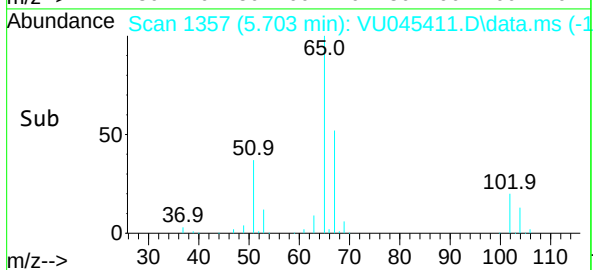
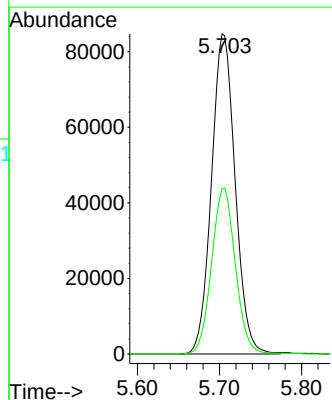
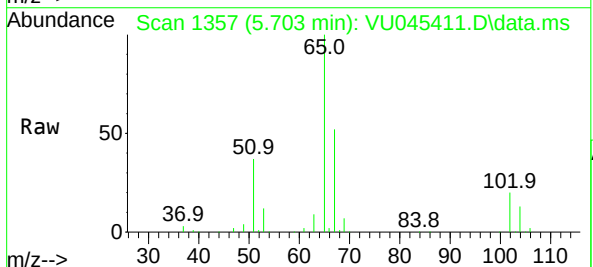
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

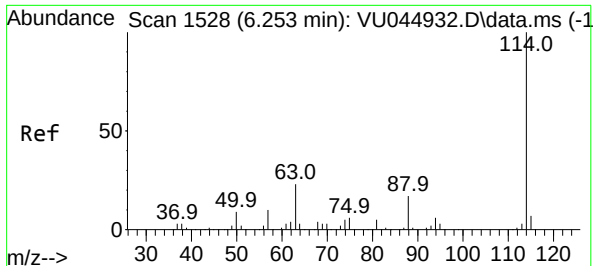
Tgt Ion: 56 Resp: 4807
Ion Ratio Lower Upper
56 100
69 191.3 25.2 37.8#
84 152.9 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 49.480 ug/l
RT: 5.703 min Scan# 1357
Delta R.T. -0.003 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 65 Resp: 170088
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.250 min Scan# 11

Delta R.T. -0.003 min

Lab File: VU045411.D

Acq: 26 Oct 2021 19:20

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-EB-20211022

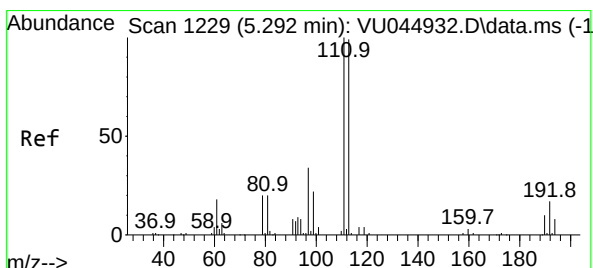
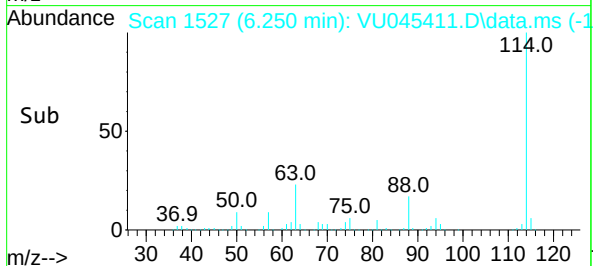
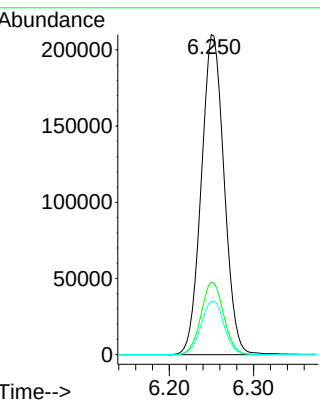
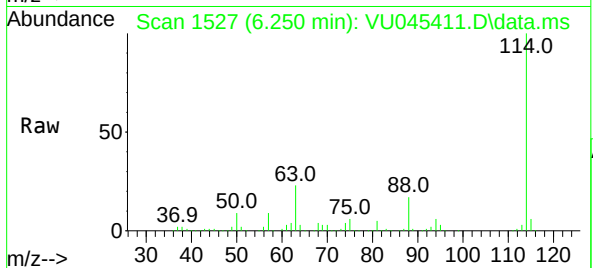
Tgt Ion:114 Resp: 394031

Ion Ratio Lower Upper

114 100

63 22.6 0.0 47.8

88 16.7 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.296 ug/l

RT: 5.292 min Scan# 1229

Delta R.T. -0.000 min

Lab File: VU045411.D

Acq: 26 Oct 2021 19:20

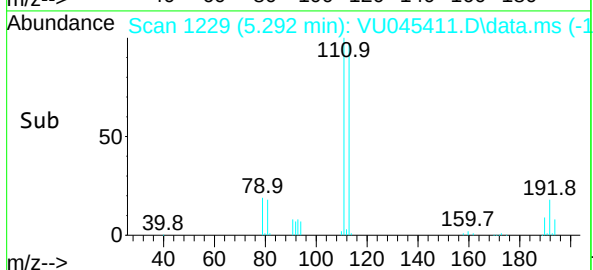
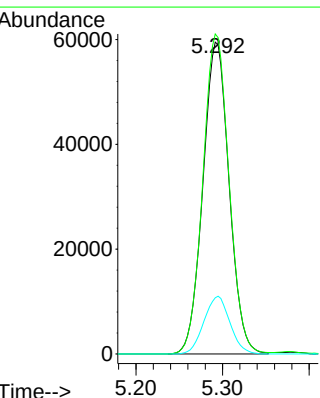
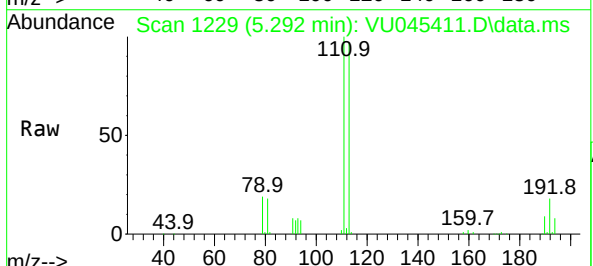
Tgt Ion:113 Resp: 125019

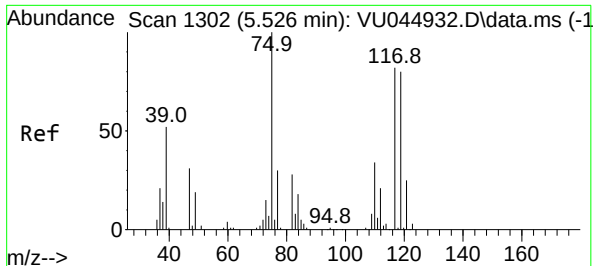
Ion Ratio Lower Upper

113 100

111 102.5 84.1 126.1

192 18.3 14.8 22.2





#36

1,1-Dichloropropene

Concen: 4.601 ug/l

RT: 5.375 min Scan# 11

Delta R.T. -0.151 min

Lab File: VU045411.D

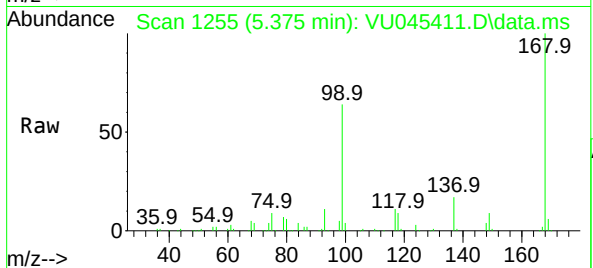
Acq: 26 Oct 2021 19:20

Instrument :

MSVOA_U

ClientSampleId :

BP-VPB-RW9-EB-20211022



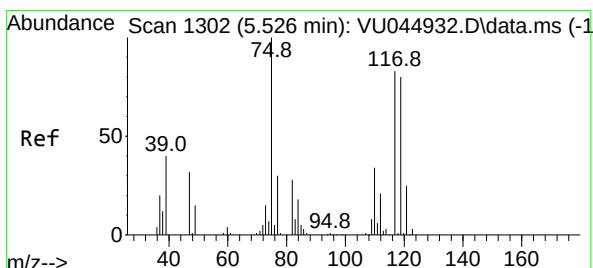
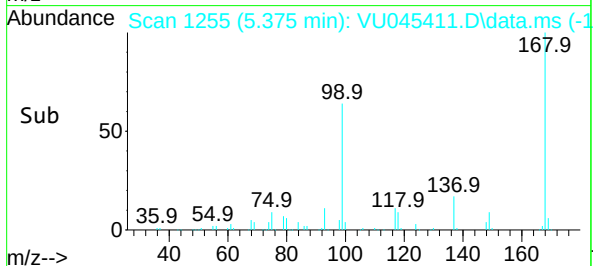
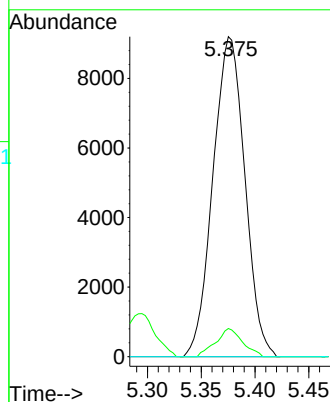
Tgt Ion: 75 Resp: 18959

Ion Ratio Lower Upper

75 100

110 7.4 16.3 48.9#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 6.300 ug/l

RT: 5.375 min Scan# 1255

Delta R.T. -0.151 min

Lab File: VU045411.D

Acq: 26 Oct 2021 19:20

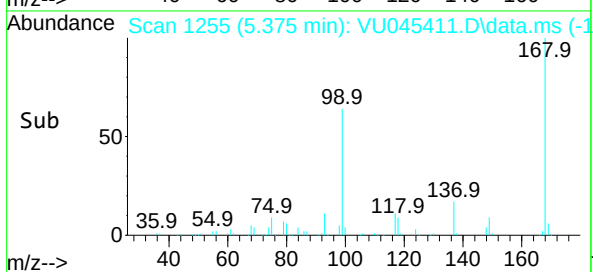
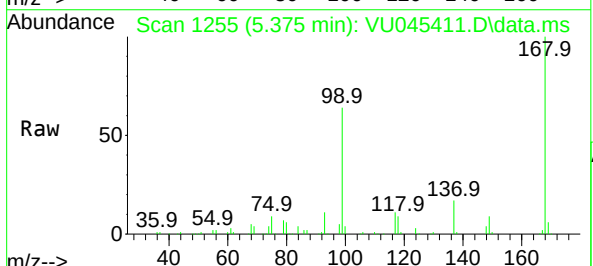
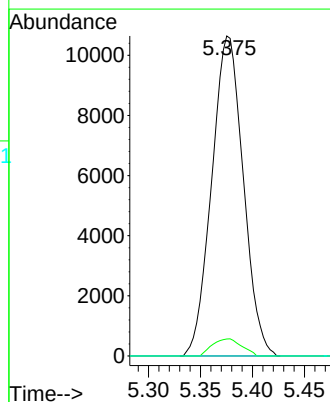
Tgt Ion:117 Resp: 22463

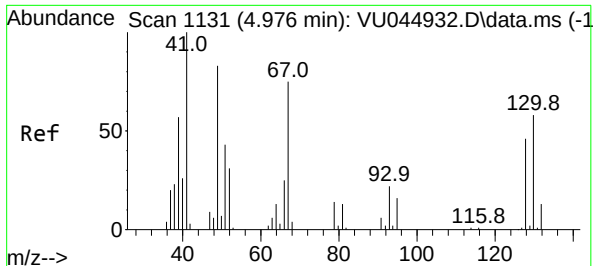
Ion Ratio Lower Upper

117 100

119 5.3 77.4 116.2#

121 0.0 24.5 36.7#



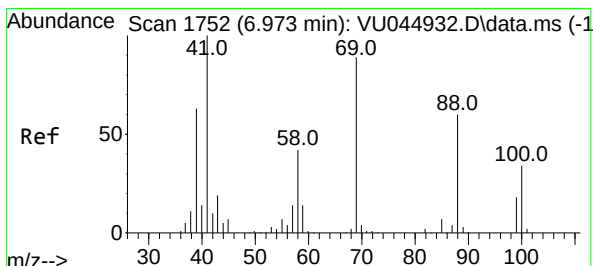
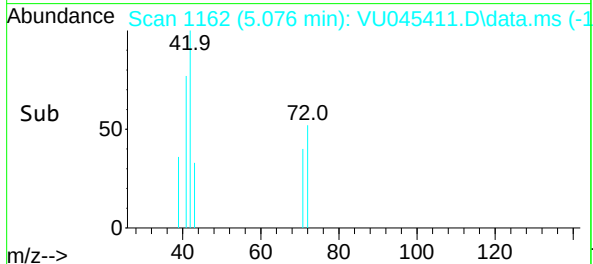
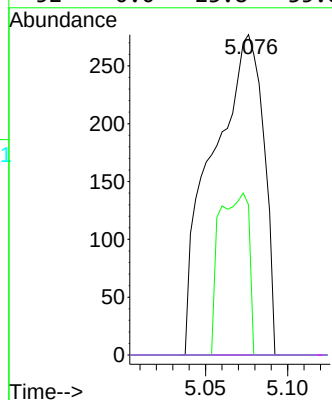
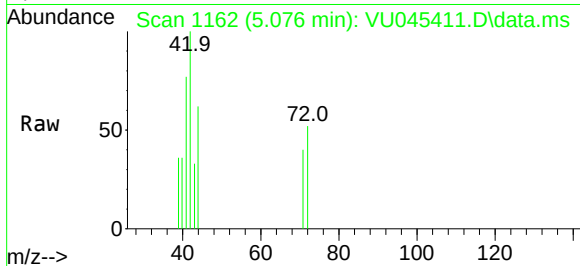


#41
Methacrylonitrile
Concen: 0.213 ug/l
RT: 5.076 min Scan# 1131
Delta R.T. 0.100 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

Tgt Ion: 41 Resp: 598

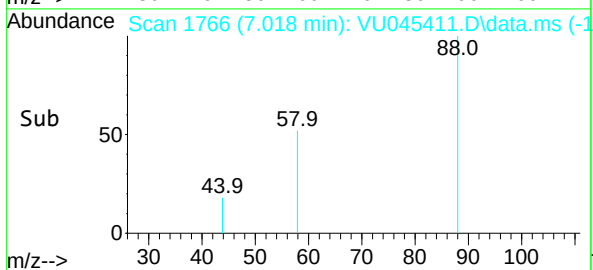
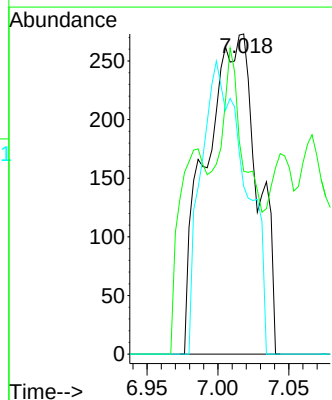
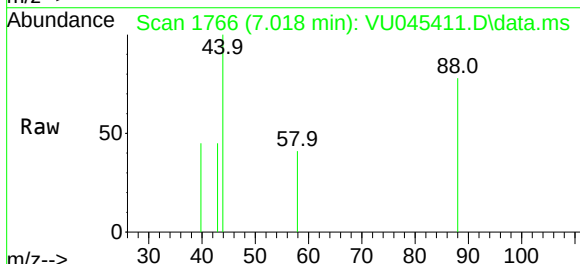
Ion	Ratio	Lower	Upper
41	100		
39	29.3	44.4	66.6#
67	0.0	58.1	87.1#
52	0.0	23.8	35.8#

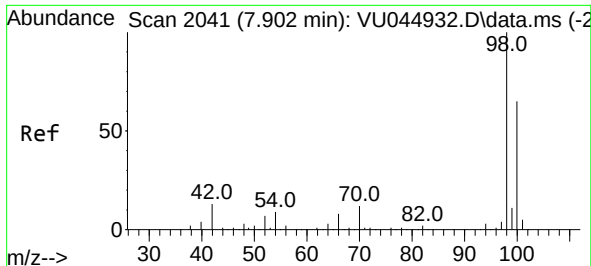


#49
1,4-Dioxane
Concen: Below Cal
RT: 7.018 min Scan# 1766
Delta R.T. 0.045 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 88 Resp: 694

Ion	Ratio	Lower	Upper
88	100		
43	36.7	25.8	38.6
58	77.8	61.3	91.9

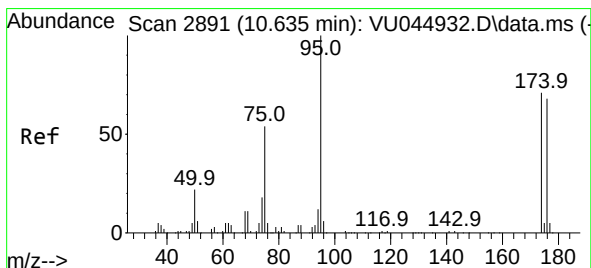
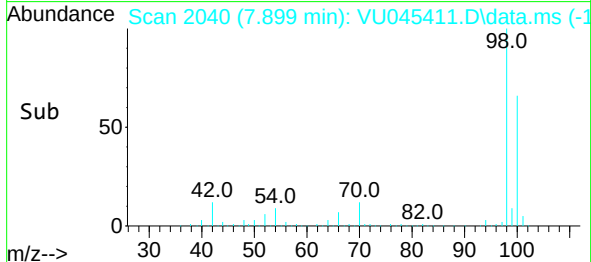
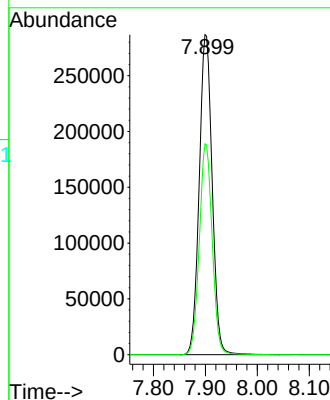
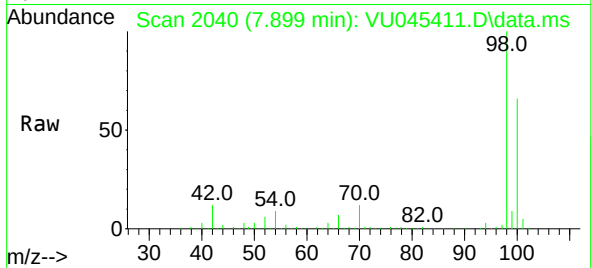




#50
Toluene-d8
Concen: 50.388 ug/l
RT: 7.899 min Scan# 2040
Delta R.T. -0.003 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

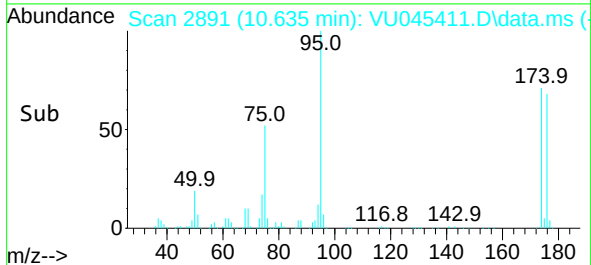
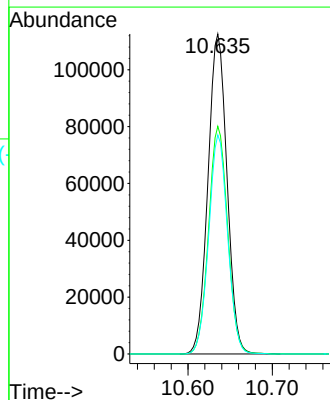
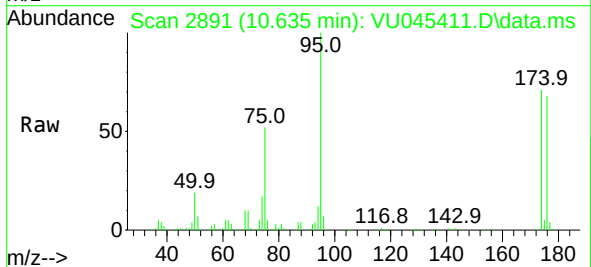
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

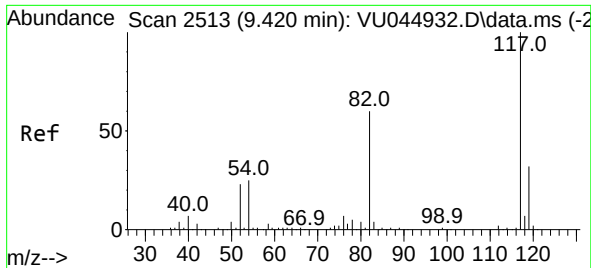
Tgt Ion: 98 Resp: 494881
Ion Ratio Lower Upper
98 100
100 65.6 52.5 78.7



#62
4-Bromofluorobenzene
Concen: 43.650 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.000 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 95 Resp: 176992
Ion Ratio Lower Upper
95 100
174 71.2 0.0 146.6
176 67.8 0.0 141.2

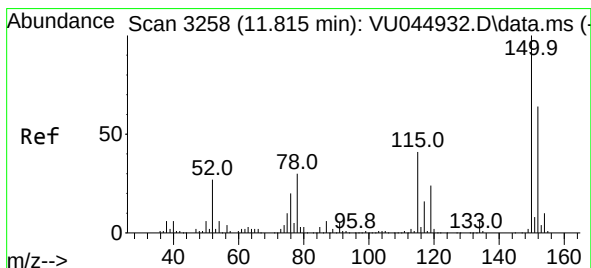
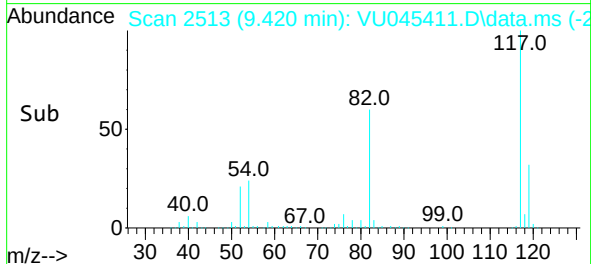
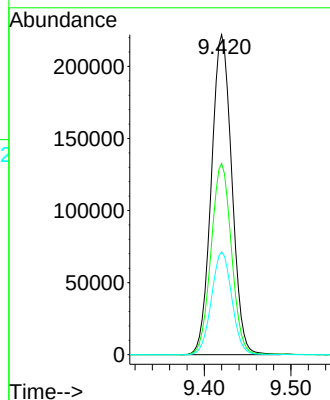
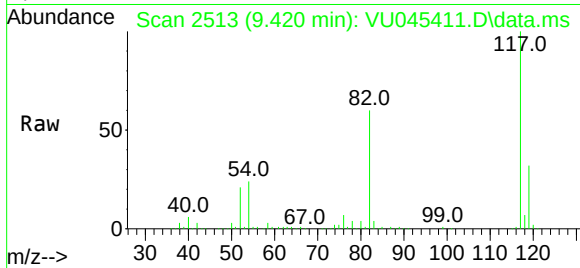




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 9.420 min Scan# 21
Delta R.T. 0.000 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

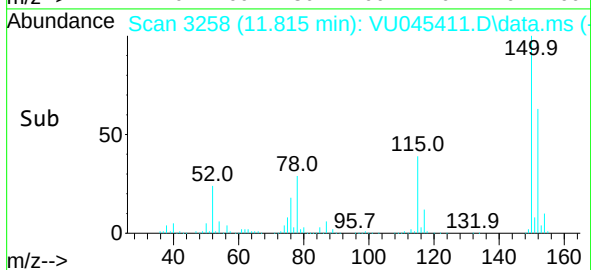
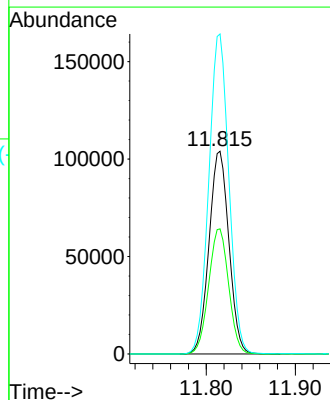
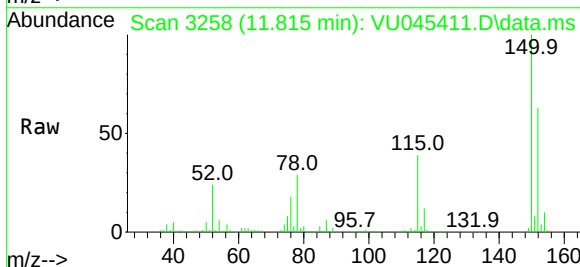
Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

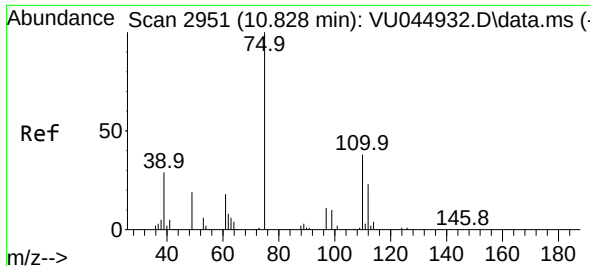
Tgt Ion:117 Resp: 364679
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 32.2 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.815 min Scan# 3258
Delta R.T. 0.000 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion:152 Resp: 160780
Ion Ratio Lower Upper
152 100
115 62.0 43.5 130.7
150 158.6 0.0 350.0

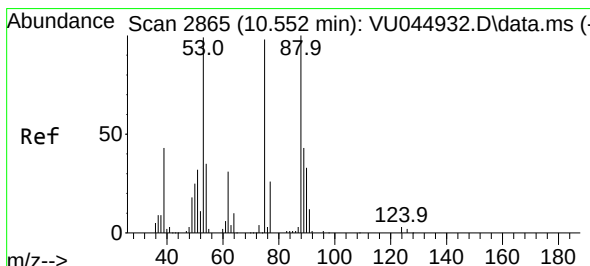
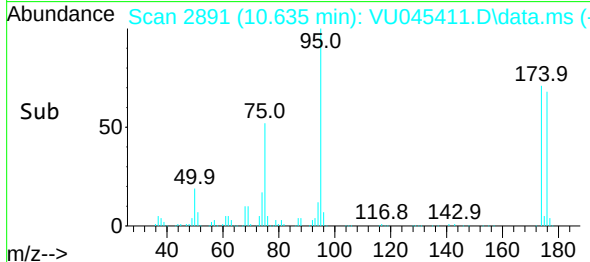
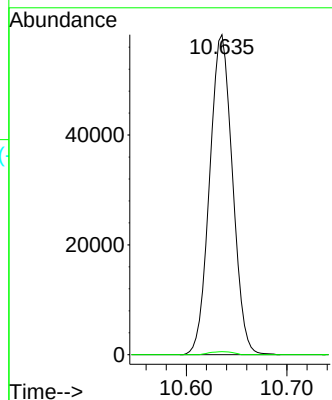
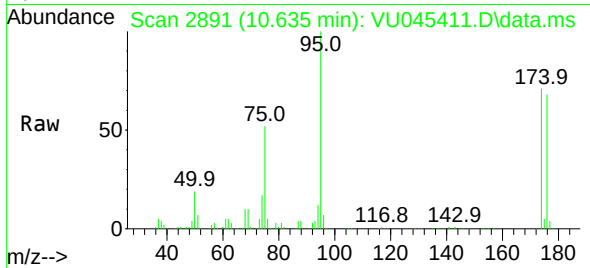




#76
1,2,3-Trichloropropane
Concen: 19.655 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. -0.193 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Instrument :
MSVOA_U
ClientSampleId :
BP-VPB-RW9-EB-20211022

Tgt Ion: 75 Resp: 92177
Ion Ratio Lower Upper
75 100
77 1.0 17.9 53.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 54.547 ug/l
RT: 10.635 min Scan# 2891
Delta R.T. 0.083 min
Lab File: VU045411.D
Acq: 26 Oct 2021 19:20

Tgt Ion: 75 Resp: 92177
Ion Ratio Lower Upper
75 100
53 0.0 82.0 123.0#
89 0.0 34.2 51.4#

